Met Office Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Monday 13 Mar 2023 until 23:59 on Tuesday 14 Mar 2023

Forecast Issued on Sunday 12 Mar 2023 at 16:57

Confidence: High for an unsettled week with heavy precipitation at times and turning colder later Monday, but lower for details due to uncertainties regarding track and depth of various lows over, or close to the UK, and timing of the associated fronts.

Headline for Monday 13 Mar 2023: Dull and wet, then colder with snow in evening. Windy.

Mountain weather hazards on Monday 13 Mar 2023

Blizzards Low Likelihood	**Heavy persistent snow** Low Likelihood	**Storm force winds** No Likelihood
Gales High Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** High Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Light rain	Heavy Rain	Light rain	Heavy Rain	Heavy Rain	Heavy snow
Precipitation probability							
>95%	>95%	60%	90%	80%	90%	>95%	>95%

Forecast for Monday 13 Mar 2023

Weather: Cloudy with widespread hill fog and generally persistent, often heavy rain through much of the day, conditions underfoot likely to become very wet with fast running water courses. During the evening, as winds turn more northerly, the rain will turn increasingly to occasionally heavy snow, initially on the higher tops but eventually to at all levels, with blizzard conditions developing at height.

Chance of cloud-free hill tops above 600m: Around 10% in east, otherwise zero

Low Cloud and visibility: Persistent cloud above 450-600m, lowering to 300m at times especially for western hills, perhaps becoming periods above 600-750m at times in east. Away from cloud visibility generally several kilometres in rain falling to a kilometre or less in heavy snow and near zero in blizzards.

Check our weather forecast every day to get the most accurate and up to date information
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Mountain Weather Forecast

Forecast for Monday 13 Mar 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	23/33 S	31/43 SW	32/45 SW	33/46 SW	33/46 SW	26/39 SW	19/28 W	20/32 N	24/37 N
300	12/27 S	17/36 SW	19/40 SW	20/41 SW	21/43 SW	18/36 SW	12/25 W	16/33 N	17/35 N
Valley	10/26 S	15/35 SW	17/38 SW	18/39 SW	19/40 SW	15/32 SW	10/23 W	18/36 N	18/38 N

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/2	7/2	6/0	5/-1	6/-1	6/0	4/-1	-1/-8	-3/-11
300	8/5	9/6	8/4	8/3	7/3	7/3	6/2	1/-4	-0/-7
Valley	10/7	10/7	9/6	8/5	8/4	8/5	7/4	3/-3	1/-5
Freezing Level*	2400m	2400m	1600m	1600m	1600m	1600m	1200m	400m	100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts close to 65mph over ridges and summits around dawn then easing. Generally a pretty miserable day with widespread difficult conditions.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sun 12 Mar 2023	10.2mm	10.2mm	19mm

Forecast for Tuesday 14 Mar 2023

Weather: Occasionally heavy snow, with blizzard conditions, clearing southeastwards soon after midnight with skies then clearing. Then a bitterly cold day with a mix of sunny spells and occasionally heavy snow showers, most frequent over western hills. The showers largely dying out through the evening. Lying snow likely to drift in the strong winds.

Maximum wind: Northerly 20-30mph, gusts around 50mph over ridges and summits, backing more westerly or northwesterly through the morning, and slowly easing to 15mph by evening.

Chance of cloud-free hill tops above 600m: Around 40% in west but nearer 75% in east.

Low Cloud and visibility: Occasional, or especially in west, periods of cloud above about 600-750m, lowering to 450m at times in showers. Away from cloud visibility, very good falling to a kilometre or less in heavy snow showers and drifting snow.

Temperature: **Valleys:** Around zero Celsius at dawn and again in evening, rising to plus 4 Celsius by day
At 600m: Around minus 2 or 3 Celsius
Freezing level: 300m or less

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